

EdiProg

## Universal Profile Program Editor

# B 70.0754 Operating Instructions



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## 1.1 Preface



The Universal profile program editor “EdiProg” is software which is intended for the quick and convenient creation of profiles.

Profiles from different JUMO profile instruments can be managed easily, in the form of a hierarchical structure.

These Operating Instructions describe the EdiProg software version 103.02.07 / database version 3.0.

### PC knowledge

The processes and concepts described in the operating instructions require substantial experience in using the Microsoft-Windows<sup>1</sup> operating system.

### Literature

When entering profiles, the corresponding operating instructions of the profile instruments must be available, since this description only deals with the functions of EdiProg.

## 1.2 Delivery package

Check every delivery to make sure it is complete and undamaged.

If something is missing or damaged, please contact your nearest subsidiary or the main factory.

### Address

M. K. JUCHHEIM GmbH & Co

Moltkestraße 13 - 31

D-36039 Fulda, Germany

Phone in Germany (0661) 60 03-727

from abroad (++49) 661 6003-0

Fax in Germany (0661) 60 03-508

from abroad (++49) 661 6003-607

### Delivery

- 3 diskettes
- Operating Instructions
- Software licensing agreement
- Registration card

1. Microsoft and Windows are registered trademarks of Microsoft Corporation

# 1 Introduction

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## 1.3 Typographical conventions

### Warning signs

The signs for **Danger** and **Warning** are used in these Operating Instructions under the following conditions:



#### **Danger**

This sign is used when there may be **danger to personnel** if the instructions are disregarded or not followed accurately!



#### **Warning**

This sign is used if there may be **damage to equipment or data** if the instructions are disregarded or not followed accurately!

### Note signs



#### **Note**

This sign is used when your **special attention** is drawn to a remark.



#### **Reference**

This sign refers to further information in other manuals, chapters or sections.

abc<sup>1</sup>

#### **Footnote**

Footnotes are notes which refer to certain points in the text. Footnotes consist of two parts:

Marking in the text and the footnote text.

The markings in the text are arranged as continuous raised (superscript) numbers.

The footnote text (in smaller typeface) is placed at the bottom of the page and starts with a number and a full stop.

\*

#### **Action**

This sign indicates that an action to be performed is described. The individual steps are marked by this asterisk, e.g.:

\* Switch off supply

\* Pull screw-clamp connectors off the module

*Program → New*

#### **Command chain**

Italic script together with the arrow indicates the “logical” program sequence, i.e. how the function is started from the menu bar.

### 2.1 Hardware requirements

The following hardware requirements must be met when operating the “Ediprogram” program.

#### Minimum configuration

- IBM-PC or compatible PC from 486 processor
- 4MB main memory
- 3.5" disk drive
- mouse
- one free serial port (communication with instrument)
- 6.5MB available on hard disk
- VGA graphics

#### Recommended configuration

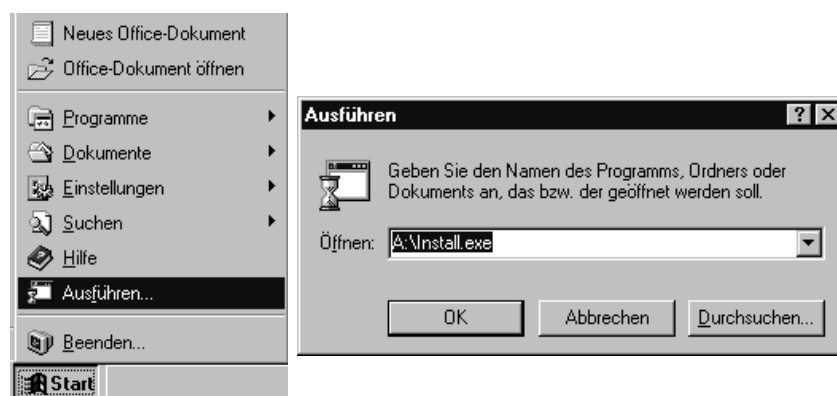
- IBM-PC or compatible Pentium<sup>1</sup> PC
- 8MB main memory
- mouse
- one free serial port (communication with instrument)
- 20MB free disk space
- Super VGA graphics (from 800x600 pixels)

### 2.2 Software requirements

- Windows 3.1 / 3.11 or Windows 95

### 2.3 Starting the installation program

- \* Start Microsoft Windows 95
- \* Insert diskette 1/3 of the Universal profile program editor
- \* Call up installation using the *Start → Run* function  
“a:\install” or “b:\install”, depending on drive letter



- \* Enter “a:\install” or “b:\install”, depending on drive letter
- \* Click on *OK*

The installation program will lead you through the rest of the installation with screen messages.

1. Pentium is a registered trademark of Intel Corporation

# 2 Installation

---





## 3 Project planning example

### 3.1 Basic information

The program editor can be used for the convenient creation of profile programs for JUMO profile controllers.

The programs are structured hierarchically in a system file and managed in the form of a database (tree structure). This ensures that the programs are easily saved and recovered.

The example below shows the structure of the program management.

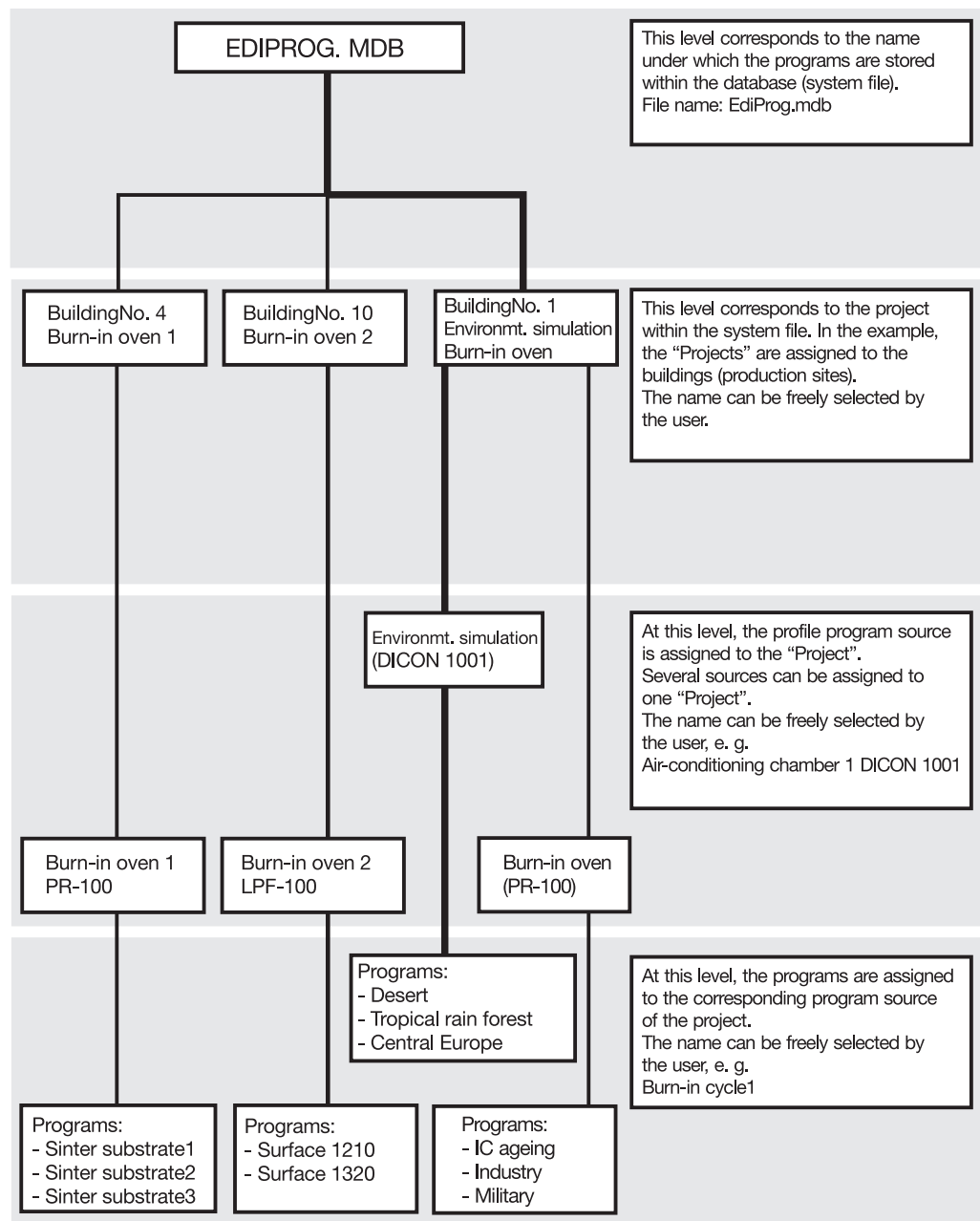
The DICON 1001 is used on different production sites for the operation and control of air-conditioning cabinets and burn-in furnaces. When used in production, different profile programs are required, which can be created and managed using the program editor. The path indicated in the picture is described below.

#### System file (1)

#### Project (2)

#### Profile program source (3)

#### Profile program (4)



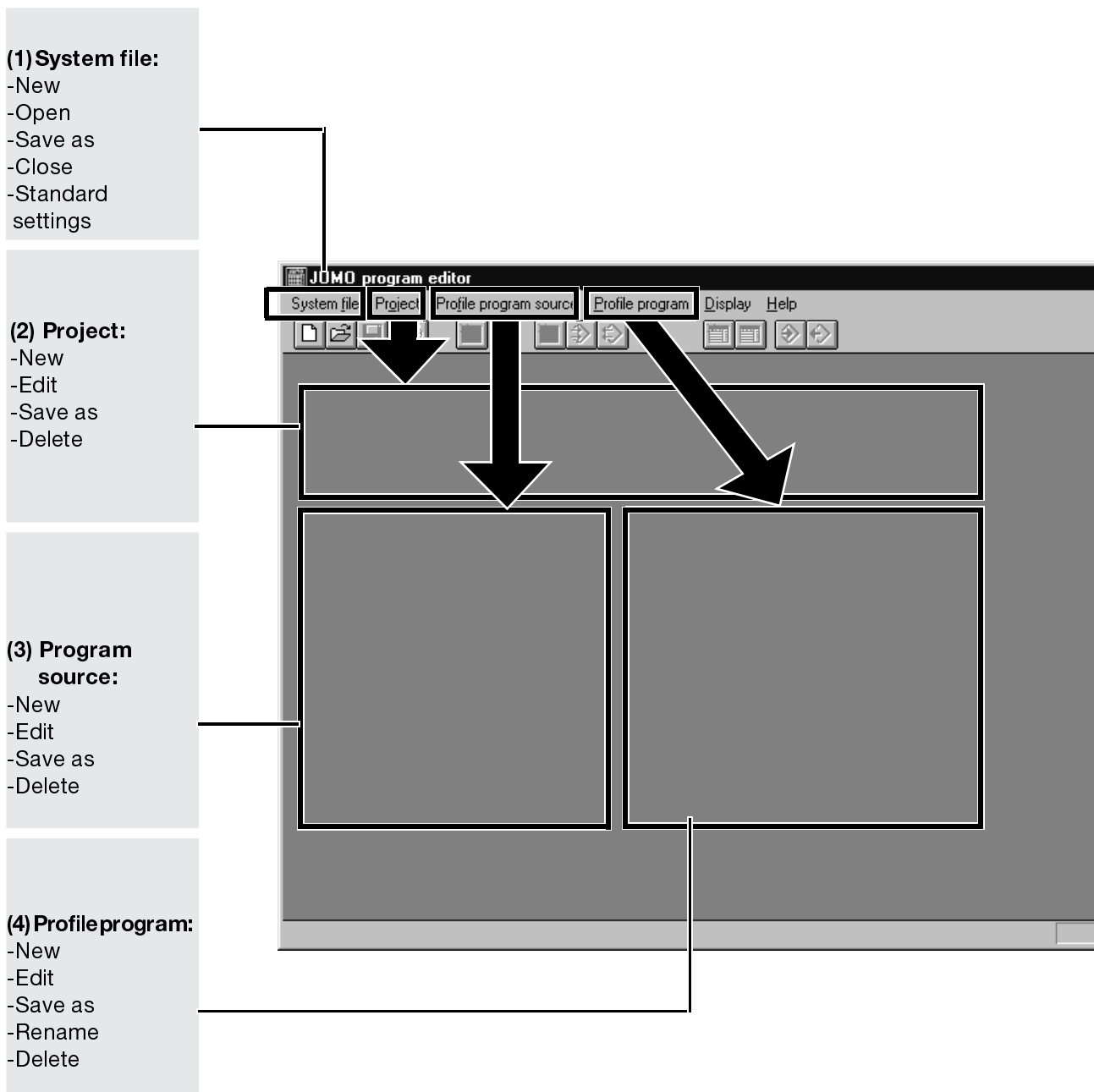
### 3 Project planning example

The following template (basic display) will appear after the profile program starts. When the program is first started, it creates a system file called EDIPROG.MDB

This chapter describes the direct path to program creation.



Close applications for setup programs when COM1 or COM2 are used for Ediprolog.

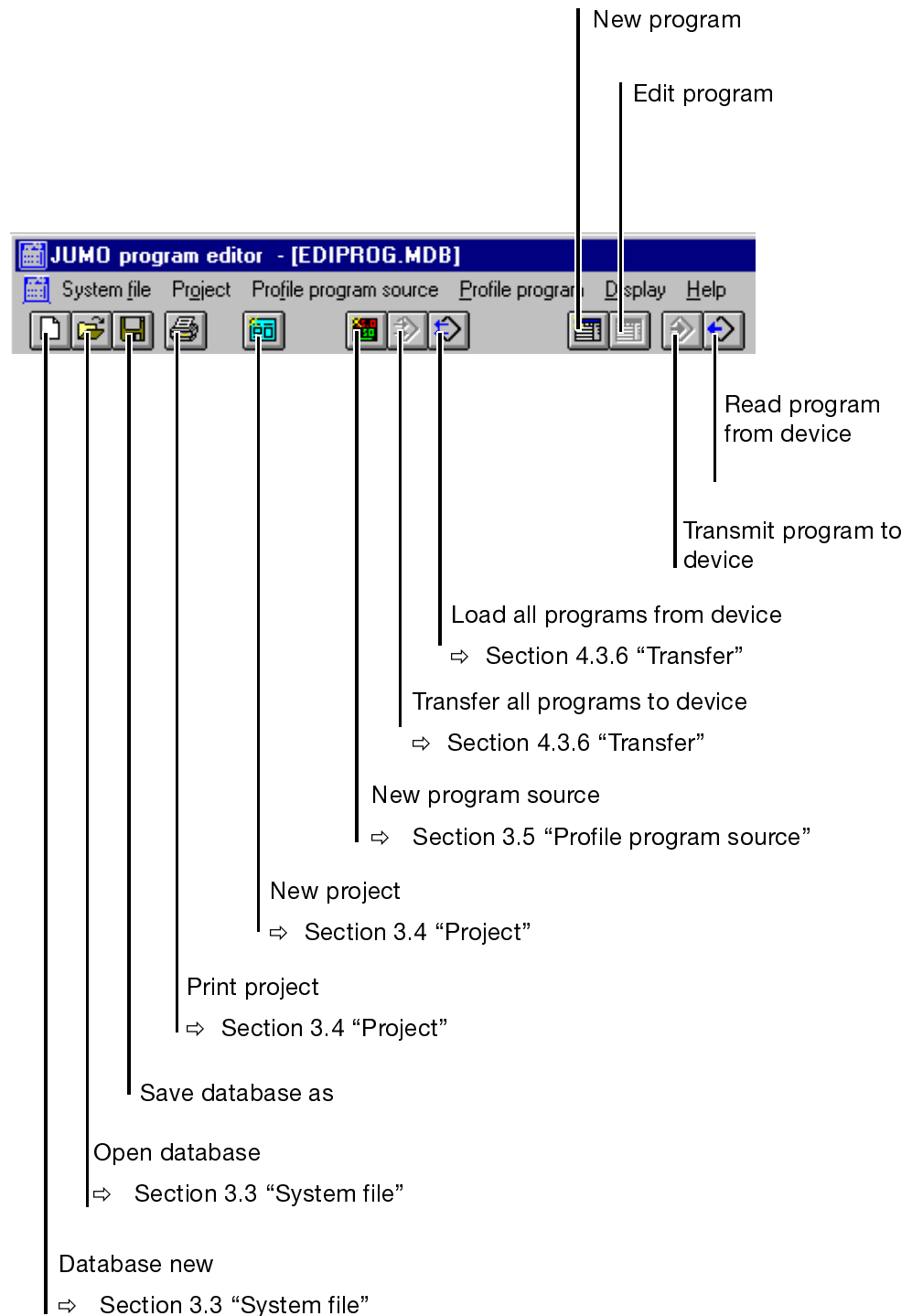


## 3 Project planning example

### 3.2 Explanation of the toolbar

The individual menu items can be called up quickly and directly using the buttons on the toolbar.

In the description below, these symbols are shown on the left side:



Functions which are shown greyed out cannot be executed.

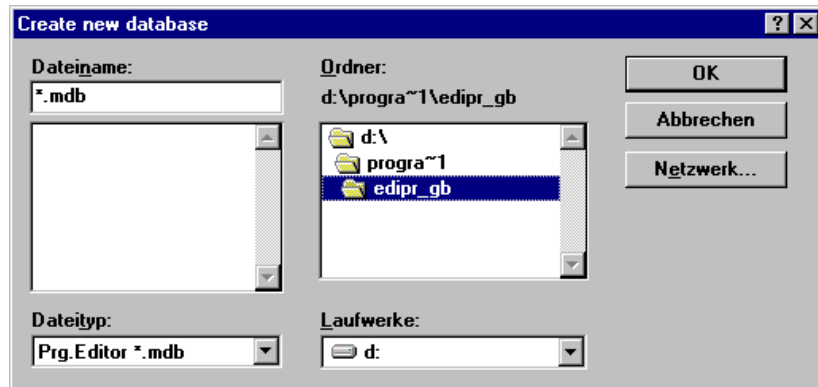


## 3 Project planning example

### 3.3 System file

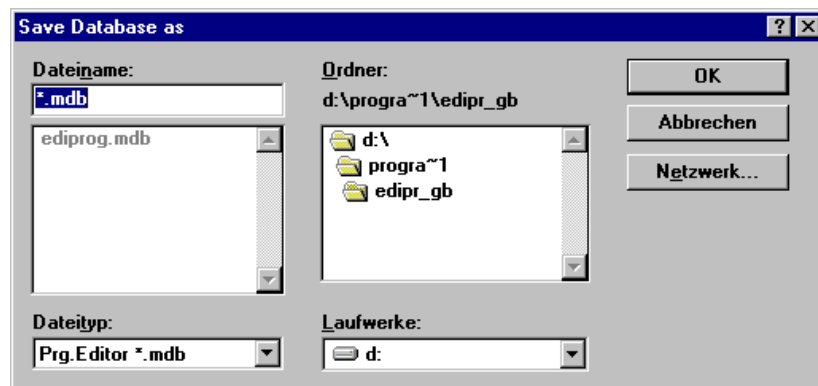
#### Create

Next, a new database name which corresponds to the application is assigned. The program automatically suggests the name "ediprog.mdb".



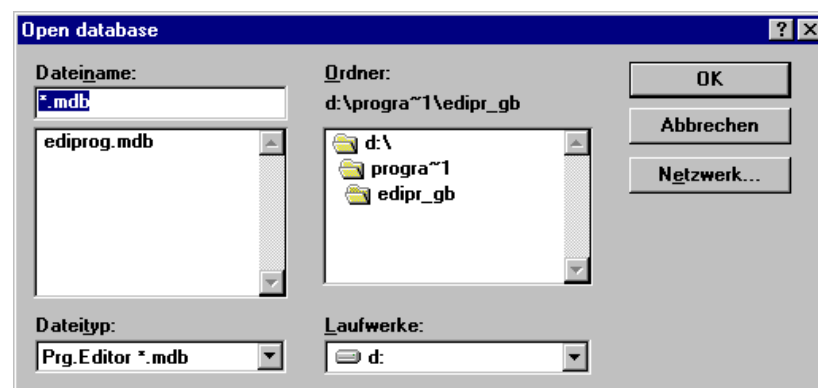
The menu item *System file* → *Save as* can also be used to assign a different name.

#### Save as



#### Open

If a database already exists, it is also possible to open a database at this point.



## 3 Project planning example

### 3.4 Project

#### Create new project

The entire system file is divided into different projects. The example below shows the division into different buildings (click on the ProjectName field).



#### Project (2)

**Create new project**

Project Name: Available projects:

Project

Information on project:  
(Text length: max. 255 characters)

Project Info

OK Cancel

- \* Enter project name

An info text of max. 255 characters can be entered for each project.

If the program is to be processed later, it can be easily recovered. Information could be given here on which chambers can be found in the building, for example.

**Create new project**

Project Name: Available projects:

BuildingNo.1

Project

Information on project:  
(Text length: max. 255 characters)

Project Info  
1st floor Environmental simulation  
2nd floor Burn-in oven

OK Cancel

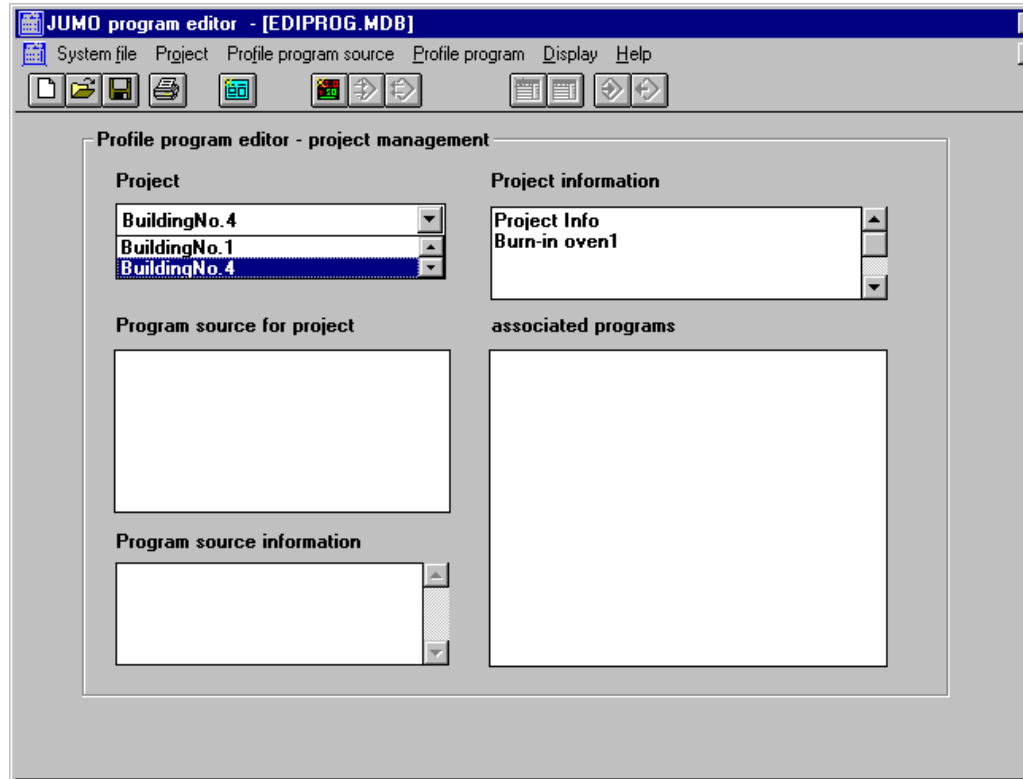
- \* Confirm with OK
- \* Enter next project

### 3 Project planning example

When all projects have been set up, then the corresponding program source (in the example: DICON 1001) can be assigned. To this end, the appropriate project name has to be selected in the “Profile program editor - project management” template.

#### Example

- \* Select project “Building No.1” by clicking on the selector field.



## 3 Project planning example

### 3.5 Profile program source

The term “profile program source” indicates a JUMO profile instrument which is selected in the subsequent template.

Create new  
profile program  
source



Profile program  
source (3)

\* Select *Profile program source* → *New*

A dialog appears in which the program source used is defined.

**Create new profile program source**

Source - Name:

Source - Type:

Device address:  Network address:

Available sources:

OK Cancel

Information on profile program source:  
(Text length: max. 255 characters)

Info on profile program source

An info text with max. 255 characters can be entered for each program source. If the program is to be processed later on, then it can be easily recovered. Information about the process can be given here, for example.

\* Confirm with OK

Example

**Edit profile program source**

Source - Name:  Source - Type:

Device address:  Network address:  Mode Modbus : ☐ Setup -> Modbus

Edit information for profile program source  
(Text length: max. 255 characters)

Section 12, Room No.410  
Manager Mr. Burnstone; Phone: 562

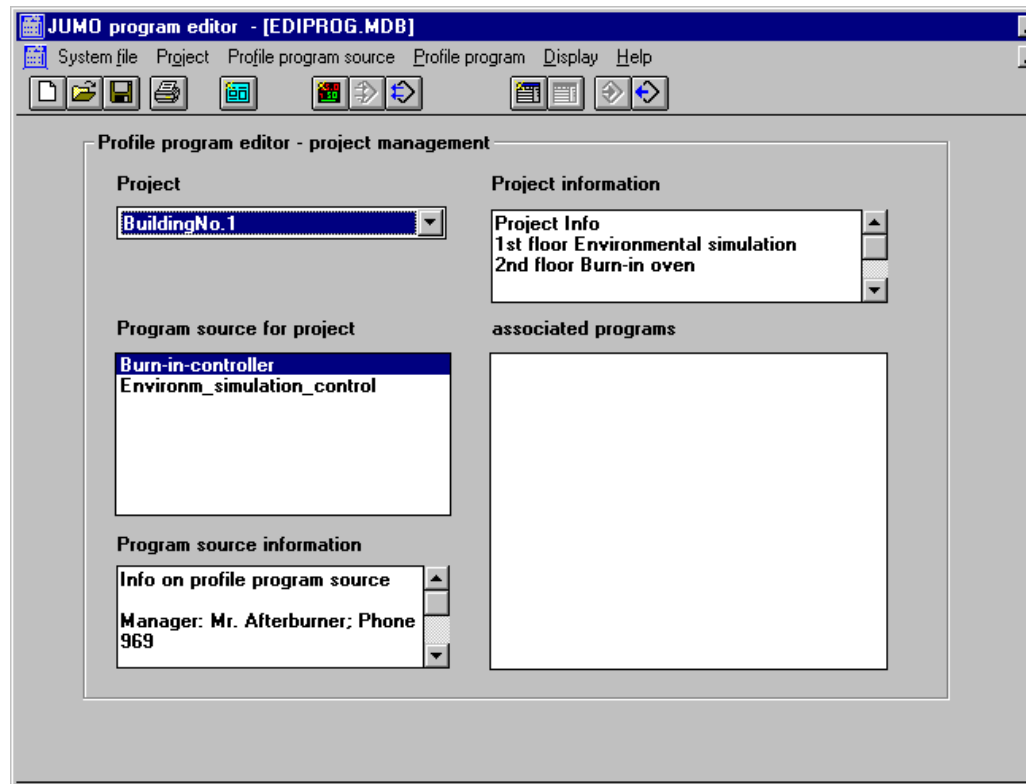
OK Cancel



### 3 Project planning example

After all program sources have been entered in this project, then the profile program can be created. To do this, the required “profile program source” (simulation of environment) has to be selected within the program editor project management.

- \* Select profile program source “Simulation of environment” by clicking on the selector field.



At this point, the input structure, which is identical for all program sources, ends. The text below deals with the creation of profiles for the different JUMO instruments.

## 3 Project planning example

---

### 3.6 JUMO DICON 1001

- \* Click on *Profile program* → *New* in the toolbar

New profile  
program



Profile program  
(4)

- \* Enter program name (desert, tropical rain forest etc.)

#### 3.6.1 Select channel number

Two profiles can be selected under the program name (channel 1 / channel 2).



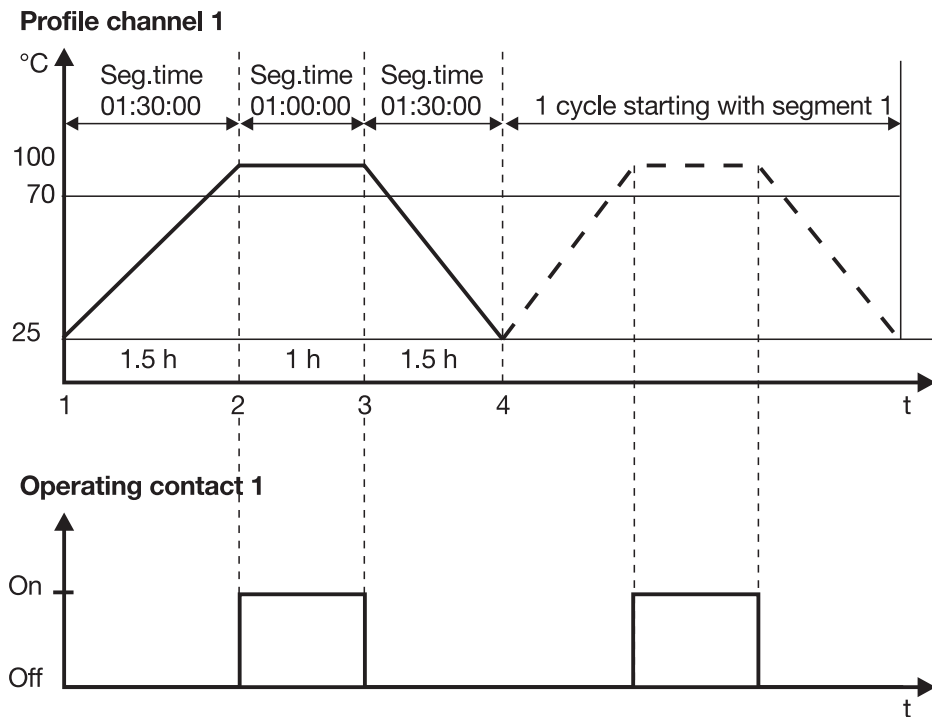
With the program editor, counting of the segments starts at segment 1 (corresponds to segment 0 in the device).

The following profile shows the entry in the program dialog:

## 3 Project planning example

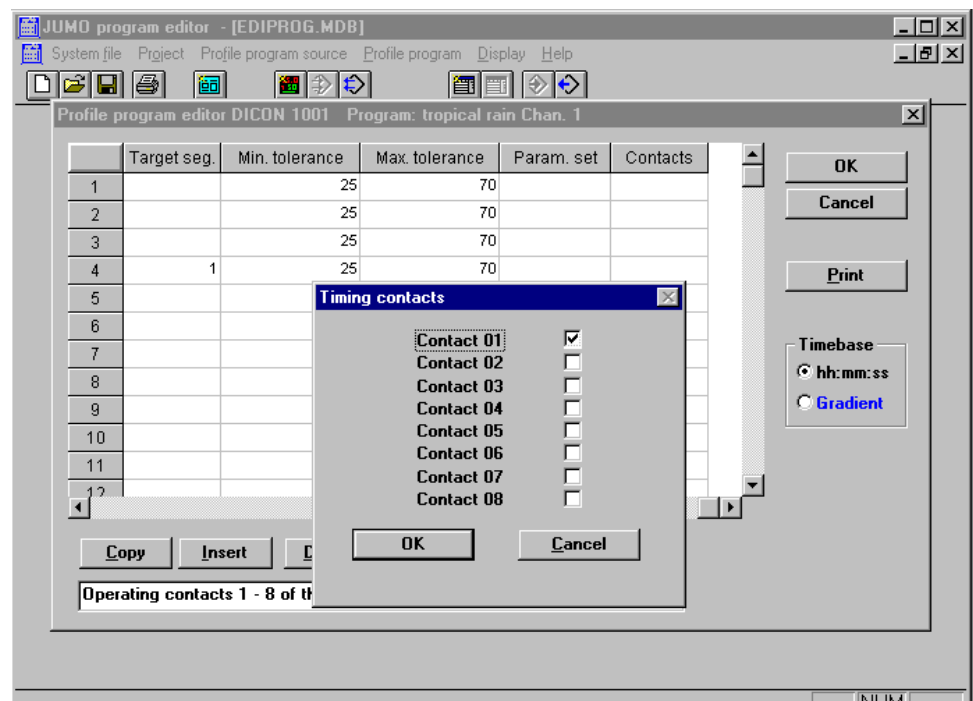
### 3.6.2 Profiles

#### Example



#### Set operating contact

- \* In the *Timing contacts* window, mark *Contact 01* with a cross (A hexadecimal number is shown in the column)



The profile is entered in tabular form. Each line corresponds to the individual segments to be programmed. The segment number appears in numerical order on the left side of the screen.

### 3 Project planning example

The program can be printed via the “Print” button in the dialog which is shown.

from segment 1

repeat 1 cycle

Segment	Setpoint	Segm.time	Cycles	Target seg.	Min. tolerance	Max. tolerar
1	25	1:30:00				25
2	100	1:00:00				25
3	100	1:30:00	1	1		25
4	25	00:00:01				25
5						
6						
7						
8						
9						
10						
11						
12						

OK

Cancel

Print

Timebase

☒ hh:mm:ss

☐ Gradient

Copy

Insert

Delete

Insert line

Delete line

Segment setpoint

delete line

insert line

delete marked fields

insert contents of clipboard at the position marked by the cursor

copy marked fields to the clipboard

Segment number

\* Store the profile with OK

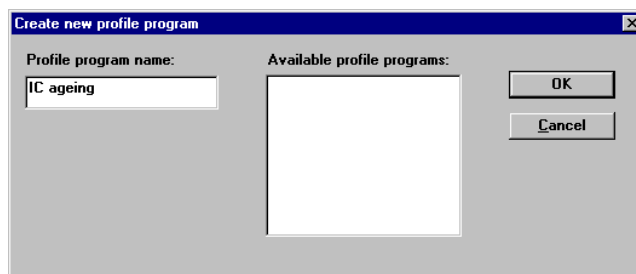
## 3 Project planning example

### 3.7 JUMO PR-100

The program entry for the PR-100 is very similar to the entry on the unit. Within one program, 4 profile curves (setpoint curves) and 8 timing diagrams are entered along a time axis.

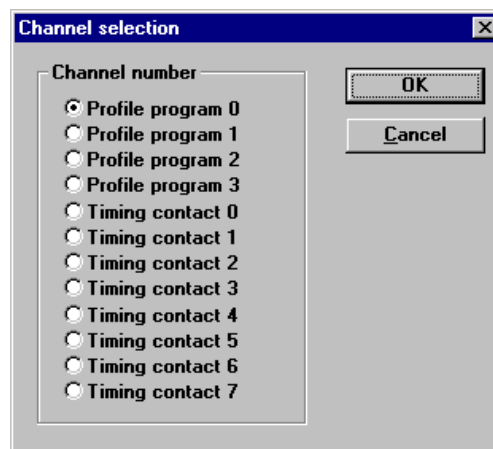
Up to 50 different programs can be accommodated in a unit.

- \* Click on program source “Burn-in furnace”
- \* *Profile program* → *New*



- \* Confirm with *OK*

#### 3.7.1 Select channel

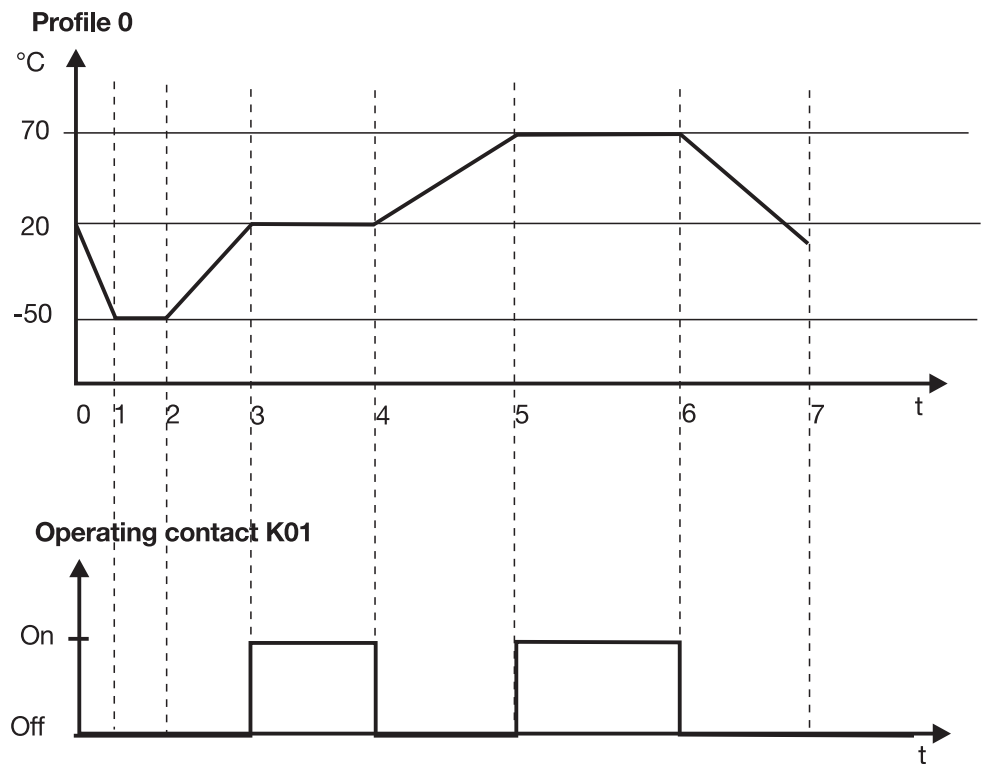


#### 3.7.2 Profiles

⇒ Operating Instructions B 75.3201.2 System hardware for PR-100 Process Control System

# 3 Project planning example

## Example



## Entry

Profile program editor PR100 Program: IC ageing ZP 0

	Setpoint	Segm.time	Target seg.	Cycles	Min. tolerance	Max. toler.
1	20	00:02:00				
2	-50	00:05:00				
3	-50	00:10:00				
4	20	00:10:00				
5	20	00:08:00				
6	70	00:15:00				
7	70	00:10:00				
8	20	00:01:00				
9						
10						
11						
12						

OK Cancel Print

Copy Insert Delete Insert line Delete line

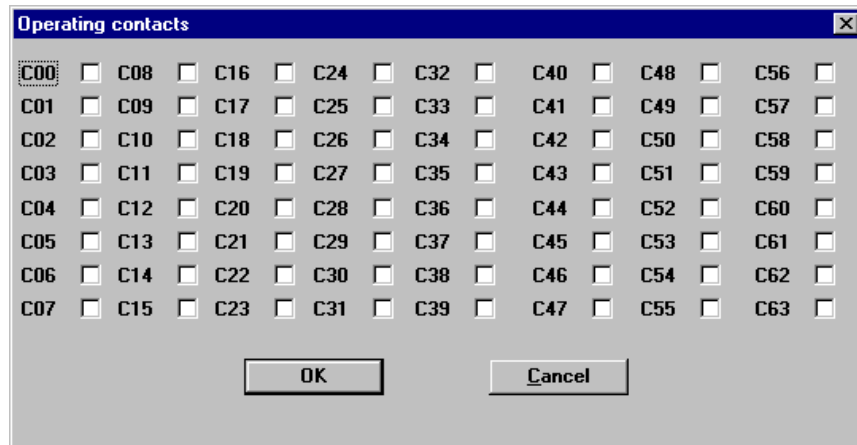
Segment time in hh:mm:ss

Scroll table to right for further functions

## Operating functions

\* Click on *Contacts* in table

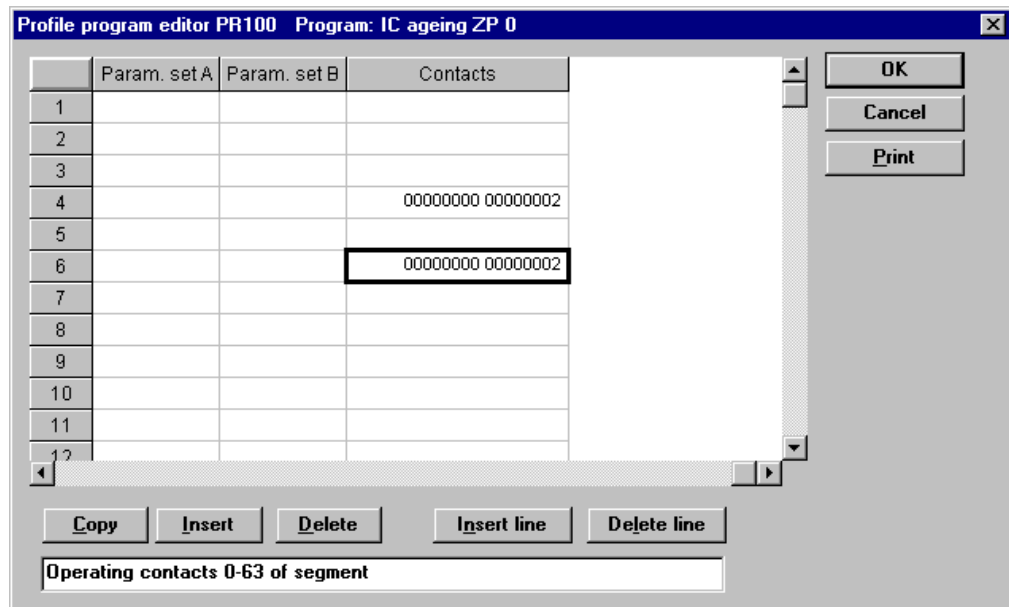
## 3 Project planning example



The 'Operating contacts' dialog box displays a grid of 64 checkboxes, each labeled with a contact ID from C00 to C63. The checkboxes are arranged in 8 rows and 8 columns. The first column contains labels C00 through C07, and the subsequent columns contain labels C08 through C63. The C00 checkbox is selected. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

Label	Checkbox	Label	Checkbox	Label	Checkbox	Label	Checkbox	Label	Checkbox
C00	<input checked="" type="checkbox"/>	C08	<input type="checkbox"/>	C16	<input type="checkbox"/>	C24	<input type="checkbox"/>	C32	<input type="checkbox"/>
C01	<input type="checkbox"/>	C09	<input type="checkbox"/>	C17	<input type="checkbox"/>	C25	<input type="checkbox"/>	C33	<input type="checkbox"/>
C02	<input type="checkbox"/>	C10	<input type="checkbox"/>	C18	<input type="checkbox"/>	C26	<input type="checkbox"/>	C34	<input type="checkbox"/>
C03	<input type="checkbox"/>	C11	<input type="checkbox"/>	C19	<input type="checkbox"/>	C27	<input type="checkbox"/>	C35	<input type="checkbox"/>
C04	<input type="checkbox"/>	C12	<input type="checkbox"/>	C20	<input type="checkbox"/>	C28	<input type="checkbox"/>	C36	<input type="checkbox"/>
C05	<input type="checkbox"/>	C13	<input type="checkbox"/>	C21	<input type="checkbox"/>	C29	<input type="checkbox"/>	C37	<input type="checkbox"/>
C06	<input type="checkbox"/>	C14	<input type="checkbox"/>	C22	<input type="checkbox"/>	C30	<input type="checkbox"/>	C38	<input type="checkbox"/>
C07	<input type="checkbox"/>	C15	<input type="checkbox"/>	C23	<input type="checkbox"/>	C31	<input type="checkbox"/>	C39	<input type="checkbox"/>
								C40	<input type="checkbox"/>
								C41	<input type="checkbox"/>
								C42	<input type="checkbox"/>
								C43	<input type="checkbox"/>
								C44	<input type="checkbox"/>
								C45	<input type="checkbox"/>
								C46	<input type="checkbox"/>
								C47	<input type="checkbox"/>
								C48	<input type="checkbox"/>
								C49	<input type="checkbox"/>
								C50	<input type="checkbox"/>
								C51	<input type="checkbox"/>
								C52	<input type="checkbox"/>
								C53	<input type="checkbox"/>
								C54	<input type="checkbox"/>
								C55	<input type="checkbox"/>
								C56	<input type="checkbox"/>
								C57	<input type="checkbox"/>
								C58	<input type="checkbox"/>
								C59	<input type="checkbox"/>
								C60	<input type="checkbox"/>
								C61	<input type="checkbox"/>
								C62	<input type="checkbox"/>
								C63	<input type="checkbox"/>

### 3.7.3 Time switch



The 'Profile program editor PR100' dialog box shows a table with 12 rows and 3 columns: 'Param. set A', 'Param. set B', and 'Contacts'. The 'Contacts' column contains hexadecimal values. The value '00000000 00000002' is entered in row 6 and is highlighted with a black border. To the right of the table are 'OK', 'Cancel', and 'Print' buttons. At the bottom are 'Copy', 'Insert', 'Delete', 'Insert line', and 'Delete line' buttons. A text field at the bottom left contains 'Operating contacts 0-63 of segment'.

	Param. set A	Param. set B	Contacts
1			
2			
3			
4			00000000 00000002
5			
6			00000000 00000002
7			
8			
9			
10			
11			
12			

\* Save entry with OK

## 3 Project planning example

### 3.8 Programs for the meat processing industry

As far as programming is concerned, differences arise between the equipment manufacturers and the users with regard to the functions used. EdiProg is suitable for both parties.

#### Equipment manufacturers

Generally, the equipment manufacturer enters the process steps (fixed segments) and delivers the operable installation with the standard programs.

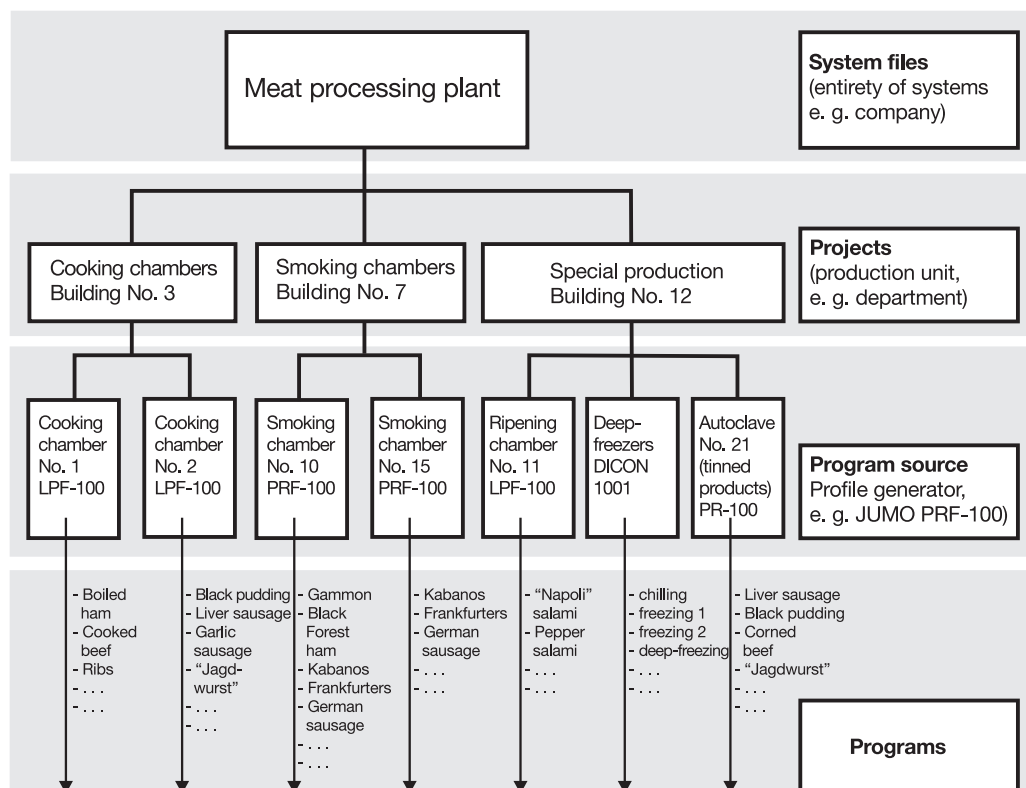
#### Users

The user, on the other hand, uses the set segments, which are protected by a password, and alters existing programs or creates new ones with the aid of the process steps (fixed segments) supplied with it.

The program management is structured in the way described on the previous pages. The picture below shows an example from the meat processing industry.

#### Program management in the program editor

#### Menu item in the program editor





## 3 Project planning example

### 3.8.1 JUMO LPF-100/200

Before entering the program, the process steps have to be defined, or already existing ones loaded from the instrument.

- \* Create program source LPF-100/200 or click on it if LPF-100/200 has already been entered in the standard display "Profile program source of project".

Create new  
profile program  
source

The dialog box titled "Create new profile program source" contains the following fields and controls:

- Source - Name:** A text input field containing "Cook\_chambNo1".
- Source - Type:** A dropdown menu showing "LPF 100/200".
- Device address:** A text input field containing "255".
- Network address:** A text input field containing "127".
- Available sources:** An empty list box.
- Buttons:** "OK" and "Cancel" buttons on the right side.
- Information on profile program source:** A section with the text "(Text length: max. 255 characters)" and a text area labeled "Info on profile program source".

- \* Save with OK

Read in  
configuration  
data

- \* Execute *Profile program source* → *Load configuration data*  
The "data transfer" window opens and the configuration data are read, so that EdiProg can recognise the process steps which are already available.

The dialog box titled "Data transfer" contains the following fields and controls:

- Read configuration data from device?** A question with "Start" and "Cancel" buttons.
- object** A label.
- Profile program number in device:** A text input field containing "0".
- Profile program name:** An empty text input field.

- \* Click on "Start"
- \* Execute *Profile program* → *New* (program name is marked)

New program



The dialog box titled "Create new profile program" contains the following fields and controls:

- Profile program name:** A text input field containing "Program Name".
- Available profile programs:** An empty list box.
- Buttons:** "OK" and "Cancel" buttons on the right side.

- \* Enter program name (salami, test etc.)
- \* Save with OK

### 3 Project planning example

The profile is entered in tabular form. Each line corresponds to the individual segments to be programmed. The segment number appears in numerical order on the left side of the screen.

#### Select process steps

- \* Click on "Process steps"
- \* Confirm with OK  
The process step is entered in the table

The operating outputs defined in the process steps are protected by a password against alteration.

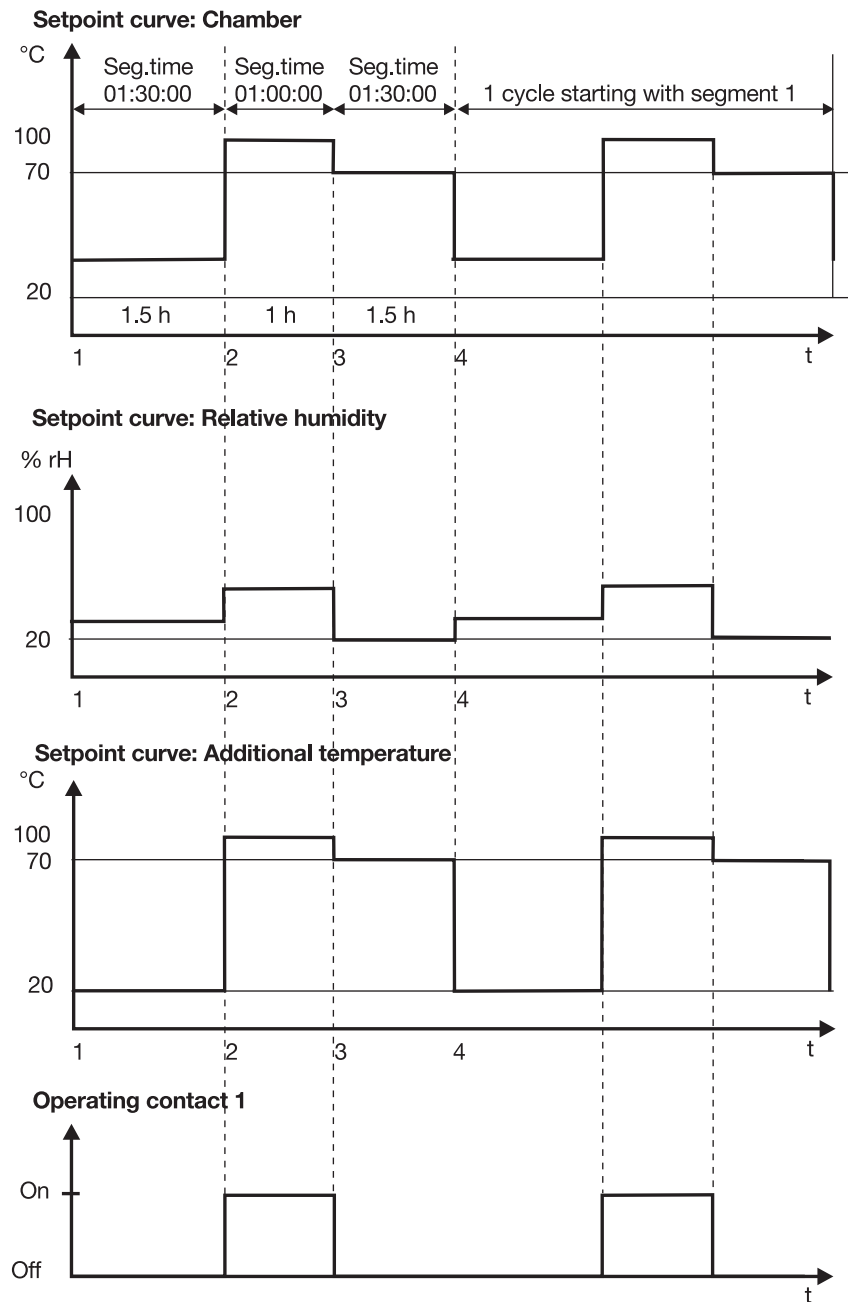
#### Set operating functions

- \* In the "Operating functions" window, set function 01 by clicking with the mouse (password is required)

### 3 Project planning example

The profile below shows the entry in the program dialog.

#### Example



#### Repeat cycles

If specific program segments are to be repeated, the target segment "Target seg." and the number of repeats are entered under "Cycles".

### 3 Project planning example

The profile program can be printed out via "Print".

Delta cooking

Additional setpoint

Core

Humidity

Chamber

Segment time

Segment name

	Proc.	Seg. name	Time	Chamber	Humidity	Core	Extra	Delta
1	01	Proc. 01	01:03	40	30		20	
2	03	Proc. 03	01:00	100	50		100	
3	05	Proc. 05	01:30	70	20		70	
4	07	Proc. 07	00:01	40	20		20	
5								
6								
7								
8								
9								
10								
11								
12								

OK

Cancel

Print

Process step

Timebase

☒ hh:mm

☐ mm:ss

Humidity

☒ Setpoint

☐ Pause time

F/C value

☒ C value

☐ F value

Copy

Insert

Delete

Insert line

Delete line

Name of the process

delete line

insert line

delete marked fields

insert contents of clipboard at the position marked by the cursor

copy marked fields to the clipboard

Further functions such as F/C-value, target segment, cycles, operating functions

Segment number

**Timebase,  
humidity,  
F/C-value**

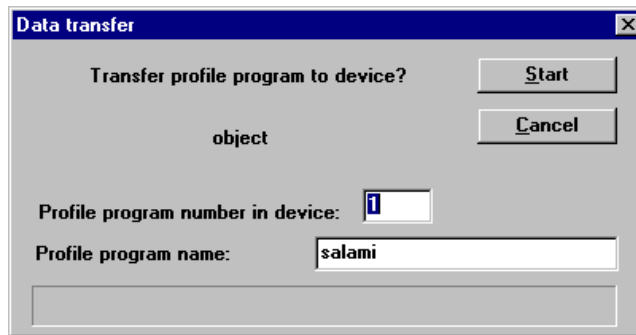
If changes are made to these settings, then the setpoints are shown in a different colour.

\* Save the profile with *OK*

### 3 Project planning example

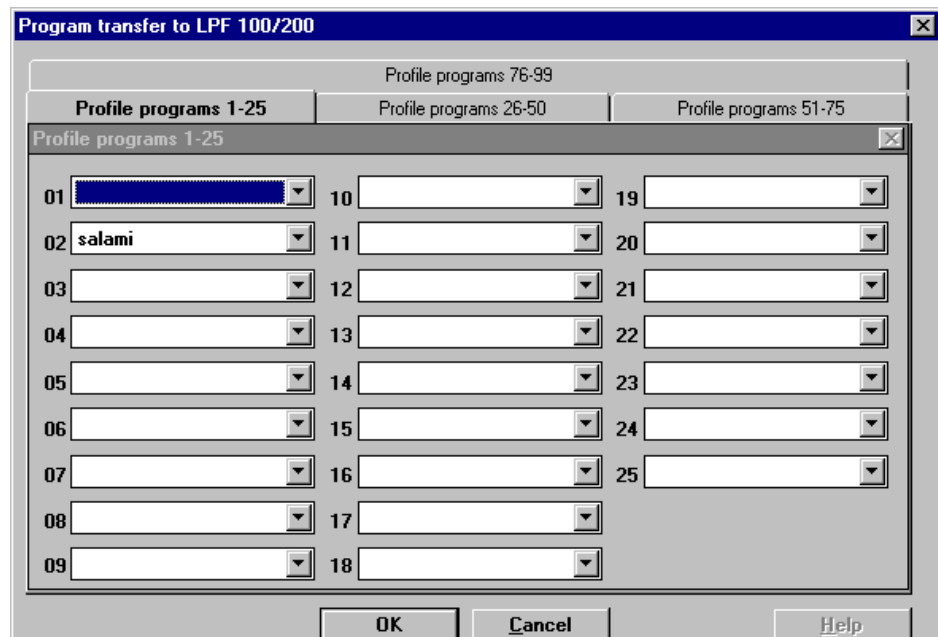
Transfer one  
EdiProg  
program

- \* Execute *Profile Program* → *Transfer* → *to device*



Transfer several  
EdiProg  
programs

- \* Click on "Profile program source" in the basic display
- \* Execute *Profile program source* → *Transfer* → *to device*



- \* Select programs required
- \* Start transfer with *OK*  
(the bar indicates the percentage of the program that has already been transferred )

## 3 Project planning example

### 3.8.2 JUMO PRF-100

When working with EdiProg, “fixed segments” can be entered in the PRF-100. These fixed segments have special names, such as drying, baking, spraying etc.

This makes it very much easier for the operator to enter the program, since he can work with the designations that are usual in his industry.

Afterwards, the user can enter his programs and give them program names, such as salami, gammon, and so on.

The program names and the designations for “fixed segments” are also shown in the graphical display of the PRF-100.

The operating outputs in the process steps can only be changed by using a password, so that only certain people can alter important system functions provided by the equipment manufacturer.

- \* Create program source LPF-100/200 or click on it if LPF-100/200 has already been entered in the standard display “Profile program source of project”.

Create new  
profile program  
source

- \* Save with *OK*

Read in  
configuration  
data

- \* Execute *Profile program source* → *Load configuration data*  
The “data transfer” window opens and the configuration data are read so that EdiProg can, for example, recognise “fixed segments” which already exist.

- \* Click on “Start”
- \* Execute *Profile program* → *New* (program name is marked)

### 3 Project planning example

#### New profile program



- \* Enter program name (liver sausage, salami etc.)
- \* Save with **OK**

The profile is entered in tabular form. Each line corresponds to the individual segments to be programmed. The segment number appears in numerical order on the left side of the screen.

#### Select fixed segments

- \* Click on “Fixed segments”
- \* Confirm with **OK**  
The fixed segment is entered in the table.

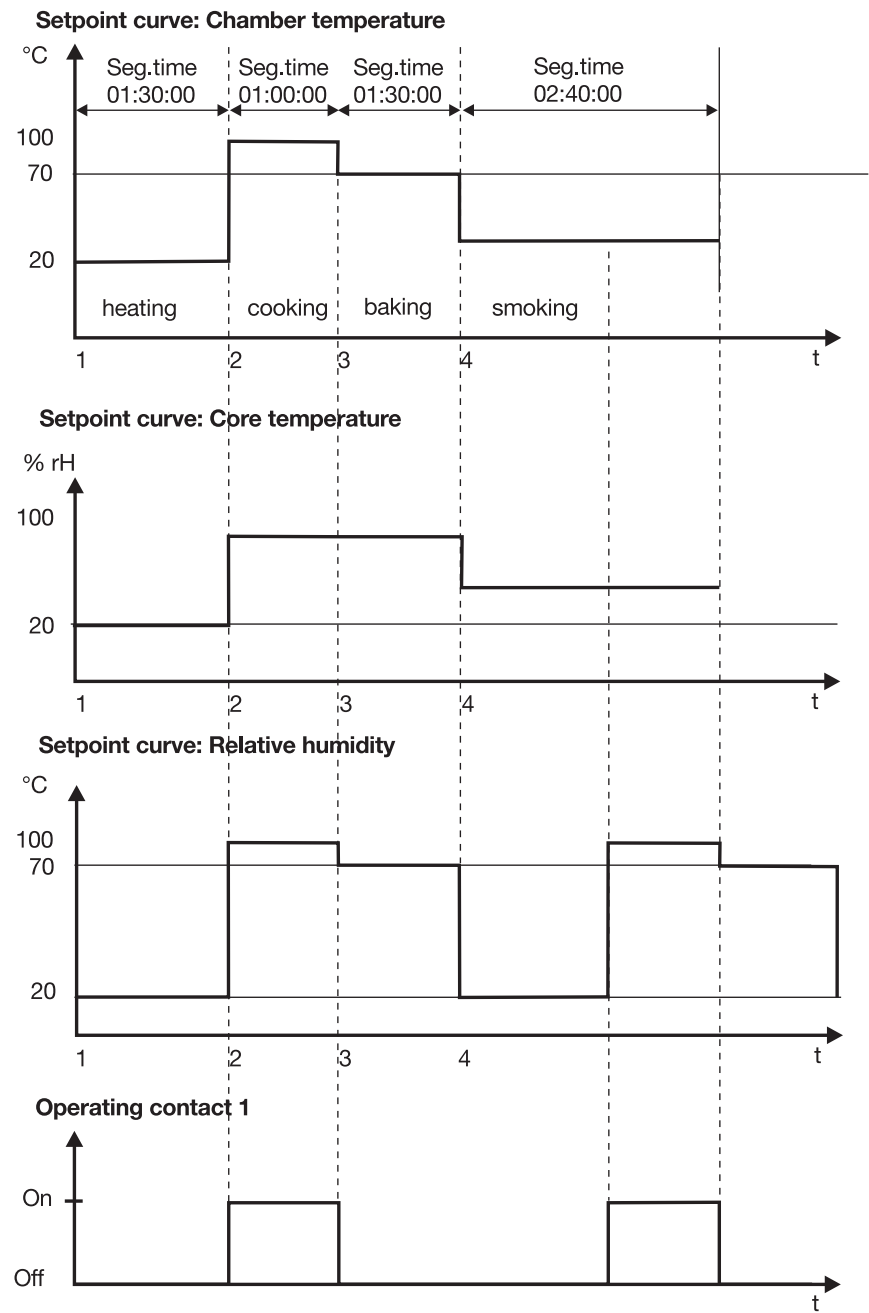
The operating outputs defined in the “Fixed segments” are protected against alterations by a password.

⇒ Operating Instructions B 75.3101.2 System hardware for PRF-100 Process Control System

# 3 Project planning example

The profile below shows the entry in the program dialog:

## Example



## Repeat cycles

If specific program segments are to be repeated, the target segment “Target seg.” and the number of repeats are entered under “Cycles”.



### 3 Project planning example

The profile program can be printed out via "Print".

Segment time

Delta cooking setpoint

Core setpoint

Humidity setpoint

Chamber setpoint

Segment name

The screenshot shows the 'Profile program editor' window for 'JUMO PRF 100' with the program 'BlackF...Ham'. The table contains the following data:

	Seg. name	Kammer	Feuchte	Kern	deltaKo	Time
1	Grundstell.	50	20	20		01:30:00
2	Grundstell.	70	20	50		01:00:00
3	Grundstell.	100	90			01:30:00
4						
5						
6						
7						
8						
9						
10						
11						
12						

Buttons: OK, Cancel, Print, Fixed segment

Timebase: ☒ hh:mm, ☐ mm:ss

Humidity: ☐ Operation, ☒ Control loop

Copy, Insert, Delete, Insert line, Delete line

Name of fixed segment

delete line

insert line

delete marked fields

insert contents of clipboard at the position marked by the cursor

copy marked fields to the clipboard

Further functions such as time, setpoint3, setpoint4

Segment number

**Timebase,  
humidity**

If changes are made to these settings, the setpoints are shown in a different colour.

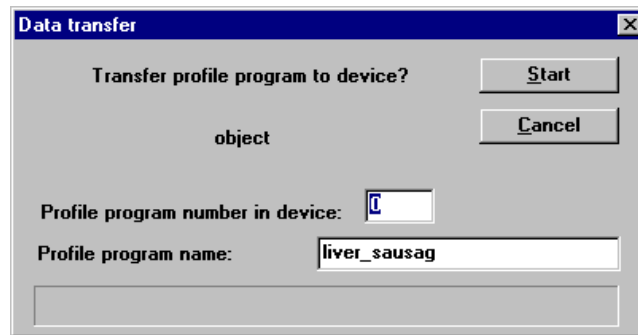
\* Save the profile with OK

### 3 Project planning example

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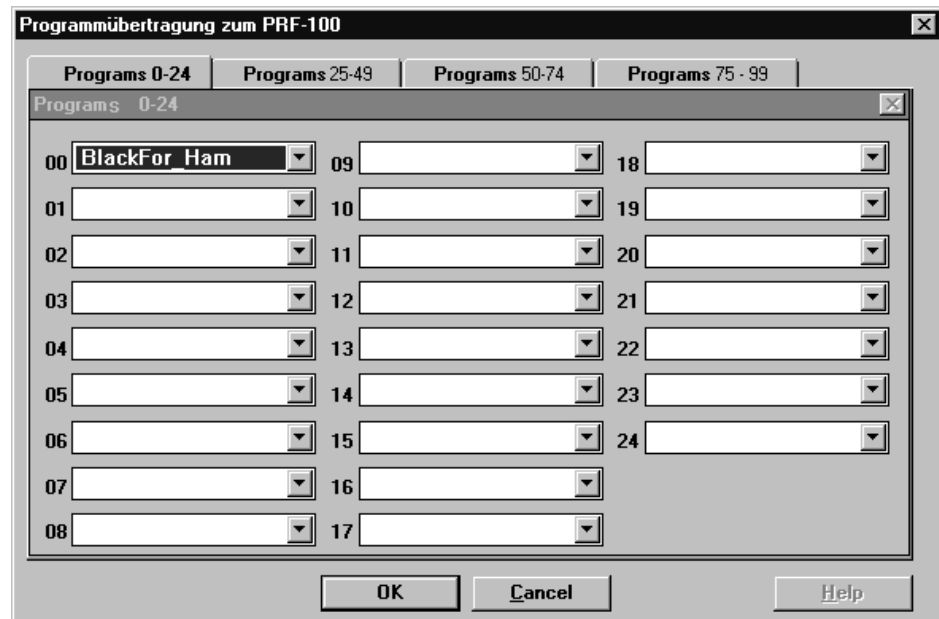
Transfer one  
EdiProg  
program

- \* Execute *Profile program* → *Transfer* → *to device*



Transfer several  
EdiProg  
programs

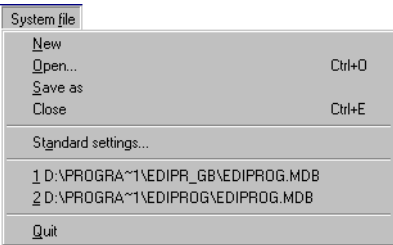
- \* Click on “Profile program source” in the basic display
- \* Execute *Profile program source* → *Transfer* → *to device*



- \* Select programs required
- \* Start transfer with *OK*  
(the bar indicates the percentage of the program that has already been transferred)

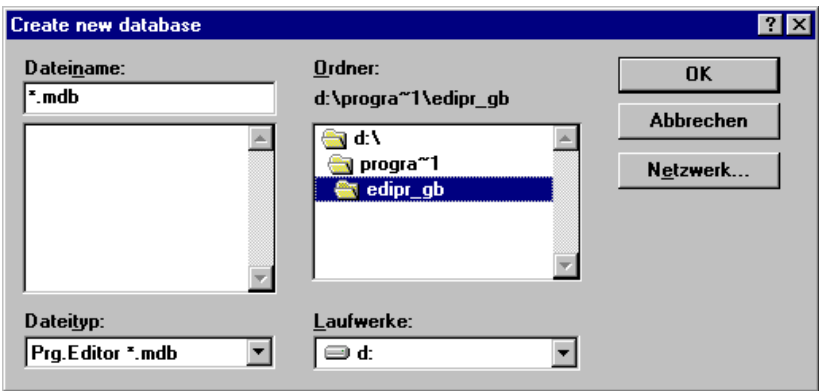
## 4.1 System file

### Overview



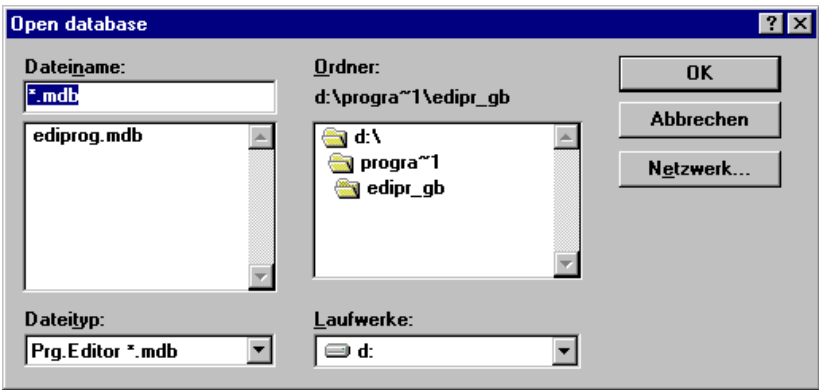
### 4.1.1 New

A database name which is appropriate for the application is assigned here. The program automatically suggests “ediprog.mdb”.



### 4.1.2 Open

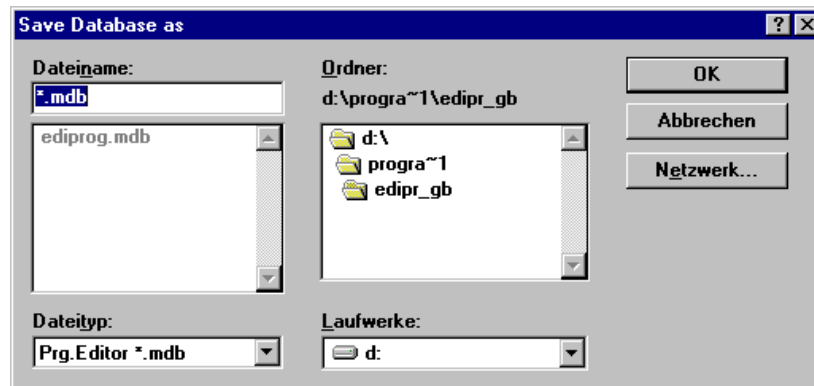
If a database already exists, it can be opened by activating the button.



## 4 Profile Program Editor EdiProg

### 4.1.3 Save as

The menu item *System file* → *Save as* can be used to assign a different name.



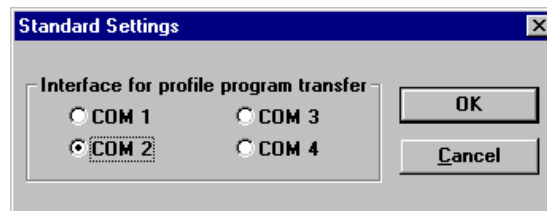
### 4.1.4 Close

This command saves and closes the system file. A different system file can be opened.

### 4.1.5 Standard settings

#### Interface

The COM interface is selected here, from which EdiProg transfers the programs to or from the device.



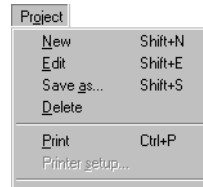
### 4.1.6 Quit

Closes EdiProg and returns to the operating system.

# 4 Profile Program Editor EdiProg

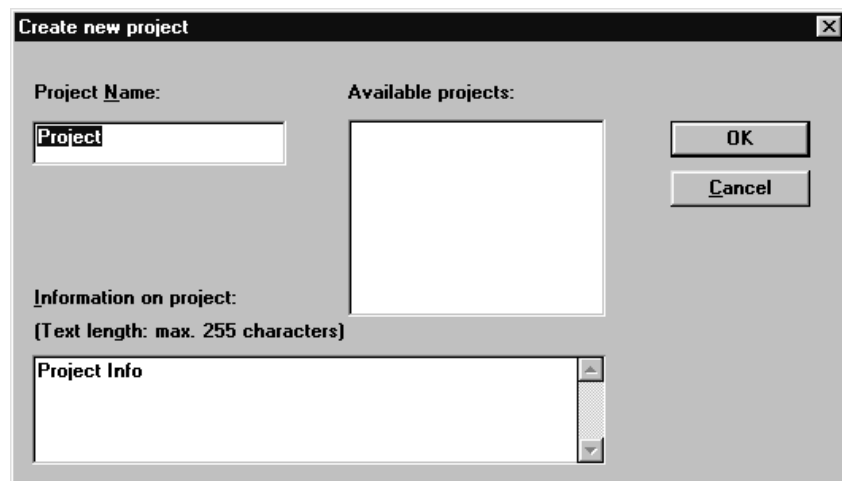
## 4.2 Project

### Overview



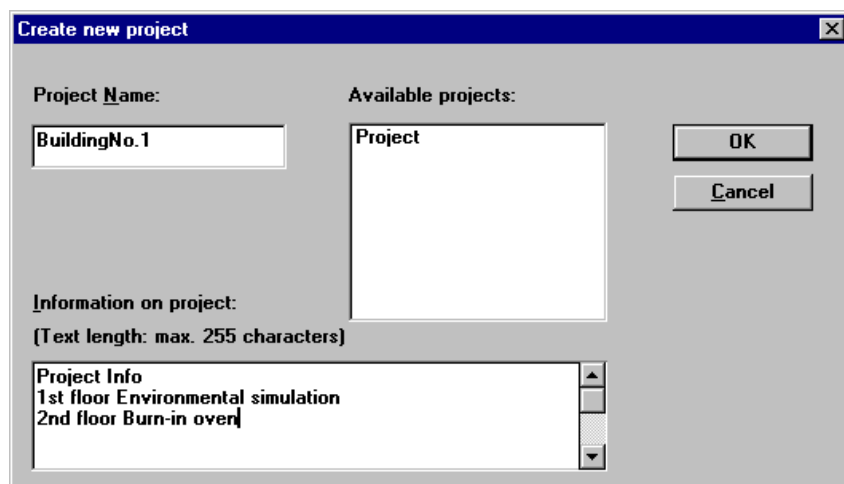
### 4.2.1 New

The entire system file is divided into different projects. In the example below, a division into different buildings is made (click on the selector field).

A screenshot of the 'Create new project' dialog box. It has a title bar with a close button. The dialog is divided into three main sections. The top left section is labeled 'Project Name:' and contains a text input field with the word 'Project' inside. The top right section is labeled 'Available projects:' and contains an empty list box. Below these two sections is a section labeled 'Information on project:' with the text '(Text length: max. 255 characters)'. This section contains a text area labeled 'Project Info' which is currently empty. To the right of the text area are two buttons: 'OK' and 'Cancel'.

- \* Enter project name

An info text with up to 255 characters can be entered for each project. If the program is to be processed later on, it can be easily recovered. For example, information could be given here on which chambers can be found in the building.

A screenshot of the 'Create new project' dialog box, similar to the one above but with data entered. The 'Project Name' field now contains 'BuildingNo.1'. The 'Available projects' list box now contains the word 'Project'. The 'Project Info' text area now contains the text: '1st floor Environmental simulation' and '2nd floor Burn-in over'. The 'OK' and 'Cancel' buttons are still present on the right.

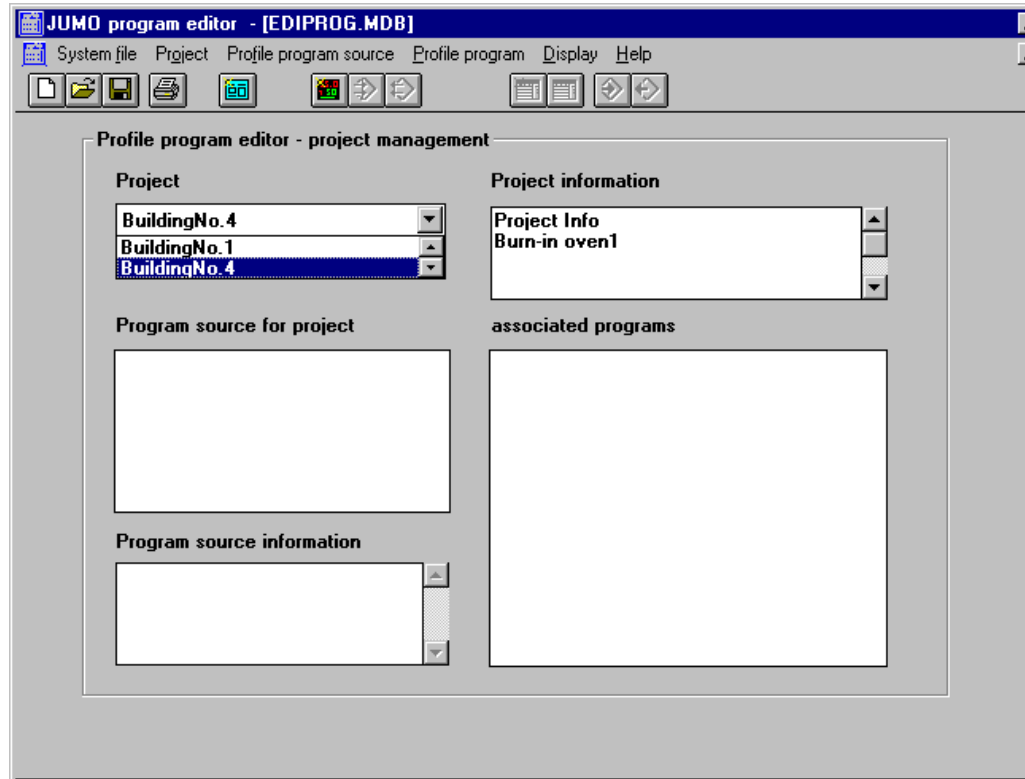
- \* Confirm with OK
- \* Enter next project

## 4 Profile Program Editor EdiProg

After all projects have been created, the corresponding program sources (in this example: DICON 1001) can be assigned. For this purpose, the appropriate project name is selected in the “Profile program editor - project management” template.

### Example

- \* Select project “Building No.1” with a click on the selector field.



### 4.2.2 Edit

If a system file is open, this function can be used to alter the project name or the project info if changes occur within a building, as in the example.

### 4.2.3 Save as

The project can be stored under a different project name. This is appropriate when several buildings are arranged in a similar way, as in the example.

The data are simply stored under a different name and the differences with respect to the original building re-entered.

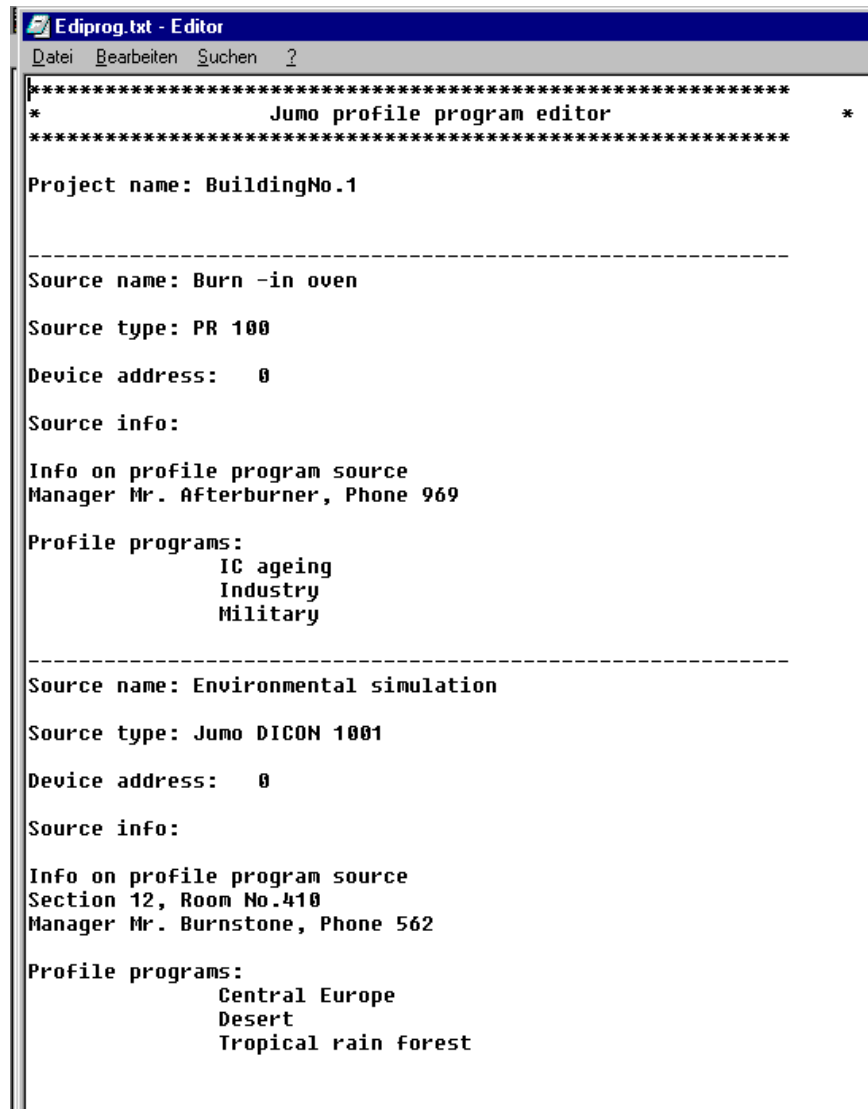
### 4.2.4 Delete

The selected project, including all program sources, is deleted without query.

## 4 Profile Program Editor EdiProg

### 4.2.5 Print

A text editor opens and indicates all sources, the source info text, as well as all programs belonging to stored project. It is subsequently possible to make a print-out.



```
Ediprog.txt - Editor
Datei Bearbeiten Suchen ?

*****
*                               *
*      Jumo profile program editor      *
*                               *
*****

Project name: BuildingNo.1

-----

Source name: Burn -in oven

Source type: PR 100

Device address: 0

Source info:

Info on profile program source
Manager Mr. Afterburner, Phone 969

Profile programs:
    IC ageing
    Industry
    Military

-----

Source name: Environmental simulation

Source type: Jumo DICOM 1001

Device address: 0

Source info:

Info on profile program source
Section 12, Room No.410
Manager Mr. Burnstone, Phone 562

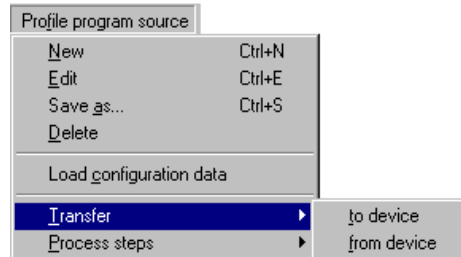
Profile programs:
    Central Europe
    Desert
    Tropical rain forest
```

# 4 Profile Program Editor EdiProg

## 4.3 Profile program source

The term “Profile program source” indicates a JUMO profile instrument to be selected in the next screen template.

### Overview



### 4.3.1 New



\* Select *Profile program source* → *New*

A dialog appears which determines the program source used.

An info text with up to 255 characters can be entered for each program source. If the program is to be processed later on, it can be easily recovered. Information on the process can be given here, for example.

\* Confirm with **OK**



## 4 Profile Program Editor EdiProg

### Example

The dialog box titled "Edit profile program source" contains the following fields and controls:

- Source - Name:** A text field containing "Environmental Simulation".
- Source - Type:** A text field containing "Jumo DICON 1001".
- Device address:** A text field containing "0".
- Network address:** A text field containing "1".
- Mode Modbus:** A checkbox labeled "Setup -> Modbus" which is currently unchecked.
- Buttons:** "OK" and "Cancel" buttons are located at the top right.
- Edit information for profile program source:** A section with a label "(Text length: max. 255 characters)" and a text area containing "Section 12, Room No.410" and "Manager Mr. Burnstone; Phone: 562".

After all program sources have been entered in this project, program creation can commence. To this end, the required program source (simulation of environment) is selected within the program editor project management.

- \* Program source "Simulation of environment" can be selected by clicking on the selector field:

The main window "JUMO program editor - [EDIPROG.MDB]" displays the "Profile program editor - project management" section with the following components:

- Project:** A dropdown menu showing "BuildingNo.1".
- Project information:** A text area containing "Project Info", "1st floor Environmental simulation", and "2nd floor Burn-in oven".
- Program source for project:** A list box containing "Burn-in-controller" (highlighted) and "Environm\_simulation\_control".
- Program source information:** A text area containing "Info on profile program source" and "Manager: Mr. Afterburner; Phone 969".
- associated programs:** An empty text area.

### 4.3.2 Edit

When the system file is open, this function can be used to alter the program sources, or the program source information, if, as in the example, changes occur within a process.

## 4 Profile Program Editor EdiProg

---

### 4.3.3 Save as

The program source can be saved under a different name. This is appropriate when the system is being expanded and several program sources are using the same programs.

### 4.3.4 Delete

The selected program source is deleted without query, together with all programs.

### 4.3.5 Load configuration data

It may have been necessary to adjust certain controller settings in the instrument, such as controller parameters, and alter them with respect to the factory setting. Before starting to write programs, EdiProg first has to recognise all parameters from the unit in order to subsequently transfer them to the unit, together with the programs. This is the case with profiles, which must not exceed the range limits for the transducer.

**Data transfer** [X]

Read configuration data from device? **Start**

**object**

Profile program number in device:

Profile program name:

**Data transfer** [X]

Read configuration data from device? **Start**

**object**

Profile program number in device:

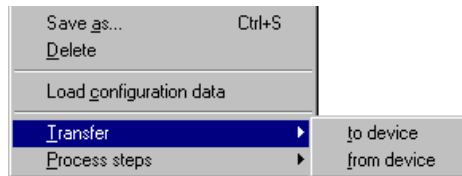
Profile program name:

# 4 Profile Program Editor EdiProg

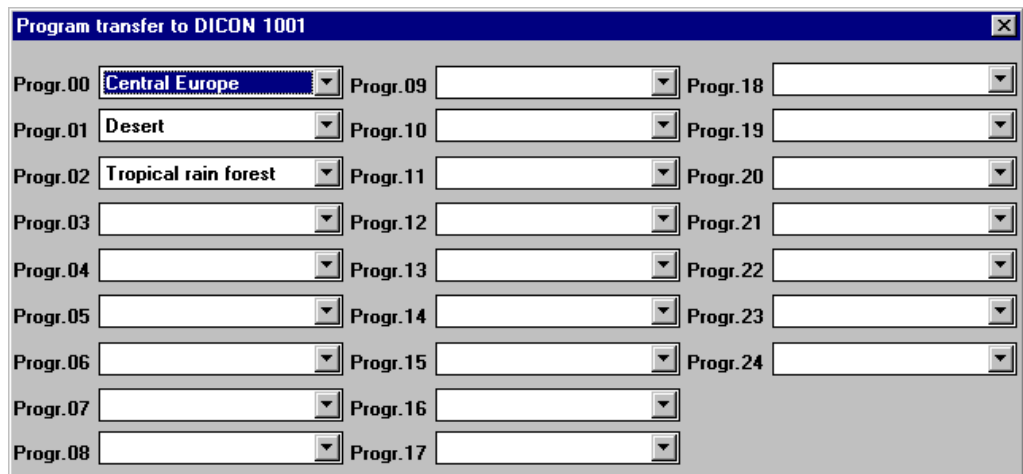
## 4.3.6 Transfer

### Management

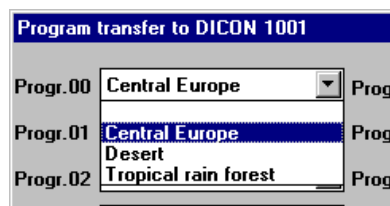
Using EdiProg, more programs can be managed than can be stored in program sources.



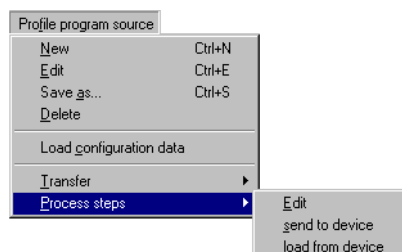
### Program assignment



A click on the pull-down menu opens the list of all programs which have been entered for the program source. In this way, programs are assigned to their numbers in the unit.



## 4.3.7 Process steps



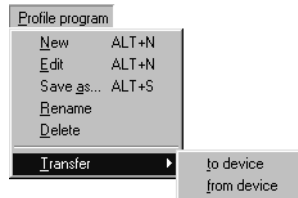
These functions can only be executed on program sources with process steps.

# 4 Profile Program Editor EdiProg

---

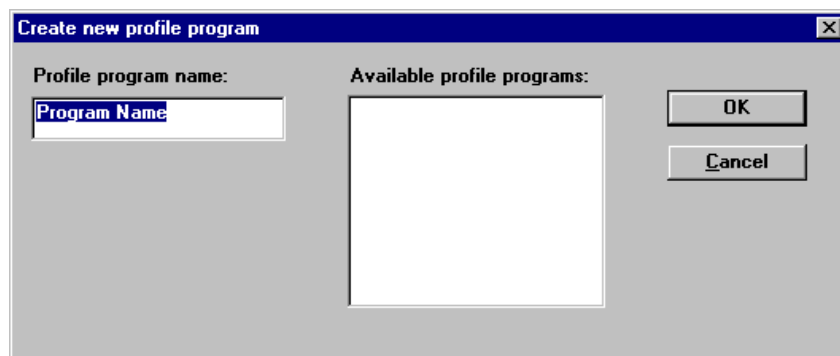
## 4.4 Profile program

### Overview



- \* Click on *Profile program* → *New* in the toolbar

### 4.4.1 New



- \* Enter profile program name (central Europe, tropical rain forest)

### 4.4.2 Edit

The program selected in the basic display is opened and can be altered freely.

### 4.4.3 Save as

An existing program can be saved under a different name. This may be helpful when only a new setpoint profile has to be programmed, but operating functions or process steps are to remain unchanged.

### 4.4.4 Rename

This function assigns a different name to the program.

### 4.4.5 Delete

The program is deleted without query and does not appear in the list in the basic display.

## 4 Profile Program Editor EdiProg

### 4.4.6 Transfer

Here, only the program that has just been selected in the project management can be sent to the instrument, or read out of the instrument, via the main menu item *Profile program* → *Transfer*. As soon as this menu item is called up, the program no. of the unit that is required for the transfer has to be specified in a subsequent dialog, since the names assigned in the program editor are not transferred to the unit.

The programs selected by the user can be transferred via the main menu item *Profile source* → *Transfer*.

#### Send to JUMO instrument

*Profile program* → *Transfer* → *to device*



The 'Data transfer' dialog box has a title bar with a close button. The main text asks 'Transfer profile program to device?'. To the right are 'Start' and 'Cancel' buttons. Below this is a label 'object' followed by a small input field containing '0'. Then, 'Profile program number in device:' is followed by a text box containing '0'. Below that, 'Profile program name:' is followed by a text box containing 'IC ageing'. At the bottom is an empty text box.

#### Read from JUMO instrument

*Profile program* → *Transfer* → *from device*



The 'Data transfer' dialog box has a title bar with a close button. The main text asks 'Read profile program from device?'. To the right are 'Start' and 'Cancel' buttons. Below this is a label 'object' followed by a small input field containing '0'. Then, 'Profile program number in device:' is followed by a text box containing '0'. Below that, 'Profile program name:' is followed by a text box containing 'test'. At the bottom is an empty text box.

\* Save the profile with *OK*



### 5 What to do if...

What's wrong?	Remedy	Info
No data connection	<ul style="list-style-type: none"><li>* Check <i>Standard settings</i>→<i>Interface</i></li><li>* Check connection cables and interface to establish whether the connectors have been fitted correctly.</li></ul>	<ul style="list-style-type: none"><li>⇒ Section 4.1.5 "Standard settings"</li><li>⇒ Section 4.3.1 "New"</li><li>⇒ Section 4.3.2 "Edit"</li></ul>
Password blocks the path to the programming of "fixed segments" (PRF-100) or "process steps" (LPF-100)	<ul style="list-style-type: none"><li>* Enter the factory-set passwords</li><li>* Find out from the system manufacturer whether the password has been changed.</li></ul>	<ul style="list-style-type: none"><li>⇒ Standard passwords PRF-100 and PR-100: <b>2007</b> LPF-100/200: <b>9510</b> Process steps: <b>2345</b></li></ul>



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